

In the abstract:

Replace the paragraphs at page 28, lines 1 though 23 of the specification with the following paragraph:

ai Disclosed are medical prosthetic devices or medical implants which exhibit improved biocompatibility. The devices or implants include a metal material, *e.g.* titanium, in which the metal surface parts are coated with a corresponding hydride material that contains one or more biomolecule substance. This biomolecule substance may contain one or more biologically active molecules, *e.g.* bio-adhesives, biopolymers, blood proteins, enzymes, extra cellular matrix proteins, extra cellular matrix biomolecules, growth factors and hormones, peptide hormones, deoxyribonucleic acids, ribonucleic acids, receptors, enzyme inhibitors, drugs, biologically active anions and cations, vitamins, adenosine monophosphate (AMP), adenosine diphosphate (ADP), adenosine triphosphate (ATP), marker biomolecules, amino acids, fatty acids, nucleotides (RNA and DNA bases), or sugars.